



2000 Toxics Release Inventory

KENTUCKY

Reported Releases and Waste Management Activities (in pounds)

	Original Industry	New Industry	Total
On-site Releases	33,406,880	59,907,658	93,314,537
Air Emissions	27,255,371	41,292,110	68,547,481
Surface Water Discharges	2,474,726	993,125	3,467,850
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	3,092	0	3,092
On-site Land Releases to RCRA Subtitle C Landfills	121,943	0	121,943
Other On-site Land Releases	3,551,747	17,622,423	21,174,171
Off-site Releases (Transfers Off-site to Disposal)*	7,295,992	820,404	8,116,395
Total On- and Off-site Releases	40,702,871	60,728,061	101,430,933
Recycled On-site	247,379,688	2,379,375	249,759,063
Recycled Off-site	59,437,083	434,700	59,871,783
Energy Recovery On-site	63,397,688	0	63,397,688
Energy Recovery Off-site	6,715,221	25,797,758	32,512,979
Treated On-site	179,986,739	60,932,045	240,918,783
Treated Off-site**	15,197,831	2,010,178	17,208,010
Quantity Released On- and Off-site***	40,373,827	60,515,770	100,889,597
Total Production-related Waste Managed	612,488,077	152,069,826	764,557,903
Non-production-related Waste Managed	219,235	9,669	228,904

Transfers Off-site for Further Waste Management/Disposal

Recycling	50,124,590	416,142	50,540,732
Energy Recovery	7,151,759	24,685,714	31,837,473
Treatment	6,733,222	2,010,114	8,743,336
Publicly Owned Treatment Works (POTWs)	7,664,142	73	7,664,215
Metals and Metal Compounds*	80,797	0	80,797
Non-metal TRI Chemicals**	7,583,345	73	7,583,418
Other Off-site Transfers****	0	0	0
Transfers Off-site to Disposal (not including metals to POTWs)	7,672,561	869,722	8,542,283
Total Transfers Off-site for Further Waste Management/Disposal	79,346,275	27,981,765	107,328,039

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

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(202) 566-0250
Fax: (202) 401-2347
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The largest marker in the state map represents the largest facility for on-site releases in the state of Kentucky. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	4,047,424
Square Miles	39,732
Total Facilities	493
Total Forms	2,214
Form As	264

	Original Industry	New Industry	Total
National Rank for Total On- and Off-site Releases*			
Rank	20	17	20
Pounds	40,702,871	60,728,061	101,430,933
National Rank for Total On-site Releases**			
Rank	21	18	20
Pounds	33,406,880	59,907,658	93,314,537
National Rank for Total Releases within State***			
Rank	20	17	21
Pounds	41,030,270	61,104,872	102,135,142
National Rank for Production-related Waste Managed			
Rank	10	7	13
Pounds	612,488,077	152,069,826	764,557,903

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	28,334,462	0	0	0	194,484	28,528,946	0	187,456	7,028
7664-93-9	Sulfuric acid	12,128,902	0	0	0	7,844	12,136,746	0	0	7,844
—	Barium compounds	37,430	163,708	0	5,838,912	1,046,737	7,086,787	212,959	910,372	136,365
67-56-1	Methanol	4,476,009	14,957	0	1,924	251	4,493,141	6,658	251	0
—	Zinc compounds	114,575	45,423	0	2,764,195	1,484,157	4,408,350	123,262	685,895	798,426

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Polycyclic aromatic compounds	56,133.48	31.80	0.00	106.10	3,682.61	59,953.99	4,731.40	3,680.79	2.00
7439-97-6	Mercury	1,648.53	10.76	254.70	346.13	9,860.70	12,120.82	11.57	9,242.70	618.00
—	Mercury compounds	3,648.10	555.52	0.00	2,335.40	504.60	7,043.62	145.96	46.50	458.10
191-24-2	Benzo(g,h,i)perylene	170.91	3.40	0.00	5.60	2.99	182.90	342.50	1.00	2.00
1336-36-3	Polychlorinated biphenyls (PCBs)	18.37	0.00	0.00	0.00	0.36	18.73	130.00	0.36	0.00
57-74-9	Chlordane	0.74	0.00	0.00	0.00	8.92	9.66	0.00	8.92	0.00
1582-09-8	Trifluralin	0.22	0.00	0.00	0.00	9.42	9.64	0.00	9.42	0.00
8001-35-2	Toxaphene	0.62	0.00	0.00	0.00	8.88	9.50	0.00	8.88	0.00
76-44-8	Heptachlor	0.48	0.00	0.00	0.00	0.70	1.18	0.00	0.70	0.00
—	Dioxin and dioxin-like compounds	0.08	0.01	0.00	0.55	0.00	0.64	0.28	0.00	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>35.198</i>	<i>5.094</i>	<i>0.480</i>	<i>250.719</i>	<i>0.013</i>	<i>291.504</i>	<i>129.138</i>	<i>0.014</i>	<i>0.000</i>
309-00-2	Aldrin	0.57	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00
118-74-1	Hexachlorobenzene	0.11	0.00	0.00	0.00	0.18	0.29	0.00	0.18	0.00
72-43-5	Methoxychlor	0.22	0.00	0.00	0.00	0.00	0.22	1.60	0.00	0.00
465-73-6	Isodrin	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
608-93-5	Pentachlorobenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

*** No reports were submitted for these chemicals.



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On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
U.S. TVA Paradise Fossil Plant, Drakesboro, Muhlenberg	8,060,265	554,369	0	0	0	1,777,191	10,391,825	250	5
Kentucky Utilities Co. Ghent Station, Ghent, Carroll	6,786,451	146,321	0	0	0	3,031,069	9,963,841	0	0
Big Sandy Power Plant, Louisa, Lawrence	6,002,604	9,248	0	0	0	1,154,074	7,165,926	1,797	1,930
Spurlock Power Station, Maysville, Mason	4,925,569	2,214	0	0	0	827,073	5,754,856	0	0
Kentucky Utilities Co. E. W. Brown Station, Burgin, Mercer	3,037,846	45,075	0	0	0	1,032,084	4,115,005	0	0
Louisville Gas & Electric Co. Mill Creek Station, Louisville, Jefferson	1,486,512	104,671	0	0	0	2,315,765	3,906,948	0	0
LGE Energy- Coleman, Hawesville, Hancock	2,680,367	2,075	0	0	0	352,921	3,035,363	0	0
U.S. TVA Shawnee Fossil Plant, West Paducah, Mc Cracken	743,967	8,015	0	0	0	2,262,517	3,014,499	0	0
Cooper Power Station, Burnside, Pulaski	2,362,570	752	0	0	0	281,340	2,644,662	0	0
Imco Recycling Inc., Morgantown, Butler	11,345	0	0	0	0	2,402,001	2,413,346	0	0

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Carbide Graphite Group, Calvert City, Marshall	29,233.00	0.00	0.00	0.00	0.00	0.00	29,233.00	0.00	0.00
Alcan Ingot Sebree Aluminum Plant, Henderson, Henderson	16,300.00	0.00	0.00	0.00	0.00	0.00	16,300.00	0.00	0.00
Southwire Co. Kentucky Div., Hawesville, Hancock	5,300.00	0.00	0.00	0.00	0.00	0.00	5,300.00	3,500.00	0.00
Lebanon Asphalt Plant, Lebanon, Marion	1,692.00	0.00	0.00	0.00	0.00	0.00	1,692.00	0.00	0.00
CC Metals & Alloys Inc., Calvert City, Marshall	1,670.21	0.00	0.00	0.00	0.00	0.00	1,670.21	0.00	0.00
U.S. TVA Paradise Fossil Plant, Drakesboro, Muhlenberg	710.31	219.00	0.00	0.00	0.00	240.90	1,170.21	0.00	0.10
Westlake CA&O Corp., Calvert City, Marshall	1,101.00	10.00	0.00	0.00	0.00	0.00	1,111.00	9,221.00	370.00
Greensburg Asphalt Plant, Greensburg, Green	1,048.00	0.00	0.00	0.00	0.00	0.00	1,048.00	0.00	0.00
Louisville Gas & Electric Co. Mill Creek Station, Louisville, Jefferson	453.60	1.00	0.00	0.00	0.00	235.00	689.60	0.00	0.00
Big Sandy Power Plant, Louisa, Lawrence	352.60	2.10	0.00	0.00	0.00	244.00	598.70	3.10	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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KENTUCKY

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
U.S. TVA Paradise Fossil Plant, Drakesboro, Muhlenberg	0	8,700	0	0	13,248,700	0	10,393,880	23,651,280	0
Kentucky Utilities Co. Ghent Station, Ghent, Carroll	0	0	0	0	4,381,500	0	9,967,460	14,348,960	0
Big Sandy Power Plant, Louisa, Lawrence	0	39,500	0	0	1,643,000	0	7,173,193	8,855,693	0
Spurlock Power Station, Maysville, Mason	0	0	0	0	0	0	5,753,050	5,753,050	0
Kentucky Utilities Co. E. W. Brown Station, Burgin, Mercer	0	0	0	0	747,700	0	4,115,108	4,862,808	0
Louisville Gas & Electric Co. Mill Creek Station, Louisville, Jefferson	0	0	0	0	9,387,000	0	3,916,794	13,303,794	0
U.S. TVA Shawnee Fossil Plant, West Paducah, Mc Cracken	0	0	0	0	1,686,000	0	3,075,539	4,761,539	0
LGE Energy- Coleman, Hawesville, Hancock	0	0	0	0	0	0	3,034,909	3,034,909	0
Cooper Power Station, Burnside, Pulaski	0	0	0	0	0	0	2,640,160	2,640,160	0
Imco Recycling Inc., Morgantown, Butler	135,400	0	0	0	0	0	2,402,201	2,537,601	0

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Carbide Graphite Group, Calvert City, Marshall	0	0	0	0	0	0	29,233	29,233	0
Alcan Ingot Sebree Aluminum Plant, Henderson, Henderson	0	0	0	0	0	0	16,300	16,300	0
Westlake CA&O Corp., Calvert City, Marshall	15,000	4,500	0	0	0	0	11,001	30,501	0
Southwire Co. Kentucky Div., Hawesville, Hancock	0	0	0	0	520,000	0	8,800	528,800	0
Lebanon Asphalt Plant, Lebanon, Marion	0	0	0	0	0	0	1,692	1,692	0
CC Metals & Alloys Inc., Calvert City, Marshall	0	0	0	0	0	0	1,670	1,670	0
U.S. TVA Paradise Fossil Plant, Drakesboro, Muhlenberg	0	0	0	0	0	0	1,160	1,160	0
Greensburg Asphalt Plant, Greensburg, Green	0	0	0	0	0	0	1,048	1,048	0
Louisville Gas & Electric Co. Mill Creek Station, Louisville, Jefferson	0	0	0	0	0	0	694	694	0
Big Sandy Power Plant, Louisa, Lawrence	0	0	0	0	0	0	603	603	0

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.